



October 25, 1982

REGISTERED RETURN RECEIPT REQUEST

Mr. Wendell Owen
Co-op Mining Company
P. O. Box 1245
Huntington, Utah 84528

RE: Modifications
Bear Creek Canyon Mine
ACT/015/025
Emery County, Utah

Dear Mr. Owen:

The Division has received and reviewed the material which you sent in regard to our joint meeting on October 4, 1982, and subsequent letter dated October 5, 1982 involving the scalehouse and upper storage pad area modifications which are currently unpermitted activities at the Bear Creek Canyon Mine. The following comments address the deficiencies found in Co-op's submissions for these modifications.

UMC 783.14 Geology Description

(a)(1) Modification narrative should have a general geologic description of the area involved in the new disturbance. This should include data resulting from analysis of test borings, core samples or outcrop samples.

(a)(1)(ii) Modification should include logs of drill holes showing the lithologic characteristics of the strata disturbed by construction of the upper storage pad and the new road development above the upper storage pad.

UMC 783.25 Cross-sections, Maps and Plans

(k) The applicant shall include maps, cross-sections and plans showing sufficient slope measurements to adequately represent the existing land surface configuration. The maps submitted as Plate III 3-B Sheet 2 and the topographic map of Bear Canyon Mine are difficult to correlate. Please clarify.

Pursuant to UMC 784.11(b)(3), submit a narrative explaining the construction, use, maintenance and removal of all roads. Road maintenance should include fugitive dust control measures--UMC 817.95(b)(1-7). Road removal should be included in the reclamation timetable (UMC 784.13[b][1]).

Pursuant to UMC 784.11(b), applicant must submit the narrative explaining the construction, modification, use, maintenance and removal of the existing and proposed mine facilities. The applicant must discuss the removal of all surface structures for the proposed modification; the discussion should include the disposal of the entire structure including the foundations.

UMC 784.13 Reclamation Plan: General Requirements

(b)(4) The applicant must provide a plan for removal, storage and redistribution of topsoil and subsoil as required under UMC 817.21-.25.

(b)(4)(vii) The applicant must provide a plan for evaluating the affects of soil handling and reclamation procedures related to revegetation.

(b)(1) The reclamation timetable should include reclamation of roads.

(b)(3) Submit contour maps or cross-sections that show the anticipated final surface configuration of the proposed disturbed area. In accordance with UMC 817.101(b), the area should be graded and restored to closely resemble the general surface configuration and blend into the drainage of the surrounding terrain.

(5) The following items need to be addressed:

1. What measures will be taken for temporary stabilization and reclamation, including what species and amounts of seed (in terms of Pure Live Seed) will be used for road cuts, embankments, topsoil stockpiles, etc.?
2. Detailed reclamation plans for final reclamation (as per UMC 784.13[5]) that are adequate to meet the requirements of UMC 817.111-.117.

At a minimum, these plans should include:

1. A schedule for revegetation.

2. Species and amounts per acre of seeds and/or seedlings to be used (in terms of Pure Live Seed). Appropriate justification must be provided for any introduced species (as per UMC 817.112).
3. Methods to be used in planting and seeding.
4. Mulching techniques, including type(s) of mulch to be used, method of application and how the mulch will be anchored (i.e., crimping, chemical tackifiers, etc.).
5. Irrigation, if appropriate, and pest and disease control measures, if any, and measures proposed to be used to determine the success of revegetation as required in UMC 817.116.

UMC 784.16, 784.22 and 784.23

Prior to issuing approval of the modification concerning the truck scales, scale house and surrounding area, the applicant will have to provide the following information and maps in accordance with UMC 784.16, UMC 784.22 and UMC 784.23.

1. A map depicting the location of berms and diversion ditches that will control runoff from disturbed and undisturbed areas and the direction of runoff flow.
2. Information indicating the total area of disturbance (including topsoil stockpile), the size of the catch basin and the total length and size of the culvert to be used.

UMC 784.23 Operation Plan: Maps and Plans

(c) Maps, plans and cross-sections required for approval of the modifications must be prepared and certified by a qualified professional engineer or professional geologist.

The applicant must provide cross-sections of each topsoil stockpile.

Provide the plans, maps and cross-sections in accordance with UMC 784.23 showing how undisturbed runoff will be routed and controlled after entering the upper storage pad culvert. This includes the type of down drain, diversions, riprap and energy dissipators to be employed.

UMC 784.24 Transportation Facilities

Pursuant to 784.24(a), please submit specifications for the road width, road gradient, road surface, culvert, drainage ditch and drainage structure to show compliance with the requirements of Sections UMC 817.150-.180. Appropriate cross-sections of the proposed haul road should be submitted.

The applicant should provide the design specifications for this road. The road must be addressed with respect to width, gradient, cut and fill embankments, culverts, drainage ditches and structures in compliance with UMC 817.50, etc.

A report of geotechnical analysis for alternative specifications would be needed for steep outcrops under UMC 817.150(d) and 817.152(c).

UMC 817.22 Topsoil Removal

The applicant must provide the depth and volume of topsoil that will be removed and the area of disturbance.

If the applicant proposes not to remove topsoil from any area of disturbance, a variance of the requirement to remove topsoil must be granted by the Division.

The applicant must provide a topsoil substitute material for those area where no topsoil is removed.

The results of chemical and physical analysis of the topsoil and all proposed topsoil substitute material must be forwarded to the Division.

UMC 817.23 Topsoil Storage

The applicant must provide the method that will be employed for protection of the topsoil stockpiles.

UMC 817.24 Topsoil Redistribution

The applicant must provide the depth of soil material that will be applied upon final reclamation.

UMC 817.25 Topsoil: Nutrients and Amendments

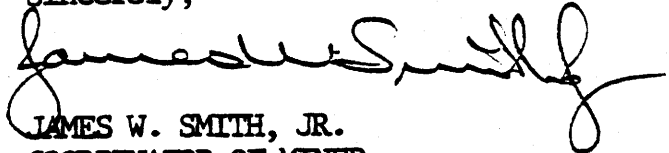
The applicant must commit to the application of soil nutrients and amendments as required under this section.

Please be advised that the deadline of October 18, 1982, agreed upon at our October 4 meeting, for submission of all required information addressing the above modifications has passed. Your earliest response in this matter is necessary in order to avoid further administrative action. It is requested that these modifications be addressed and be included in Co-op's ACR response as well, which is due by November 15, 1982, as agreed upon.

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As you are aware, this matter is being presented as an Order to Show Cause before the Board of Oil, Gas and Mining in hearing on October 28, 1982 to resolve any outstanding issues. Should you have any questions regarding this letter and the required information, please don't hesitate to call me or Ev Hooper of my staff.

Sincerely,



JAMES W. SMITH, JR.
COORDINATOR OF MINED
LAND DEVELOPMENT

JWS/btb

cc: Carl Kingston, Co-op Mining Company
Eldon Kingston, Co-op Mining Company
Cleon Feight, DOGM
Ron Daniels, DOGM
Carolyn Driscoll, DOGM
Ev Hooper, DOGM
Tom Tetting, DOGM
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